BRUHAT BANGALORE MAHANAGARA PALIKE
SCHEDULE-B

Issued to M/s KRIDL

Detailed Estimate for :- Construction of compound wall to primary health centre at Kodigehalli and other development works in Ward No.9, Vidyaranyapura.

Sl. No.	Qty	Particulars	Unit	Rate in Fig.	Rate in Words
1	456.88	Earth work in surface excavation in hard soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.50m. excavated surface levelled and neatly dressed , disposed earth to be levelled after breaking of clods and neatly dressed as per specifications.(S.R.of PWD 2015-16 , P.No.5, I.No.2.2)	Cum	219.42	(Rupees two hundred and nineteen paise four two only)
2	42.56	Dismantling burnt brick masonry in clay mortar / lime mortar/ cement mortar and stacking the bricks within a radius of 50m and removing the debris to a distance upto 200m P. No.258, I. No. 37.47	sqmt	155.82	(Rupees one hundred fifty five and paise eighty two only)
3	5.47	Dismantlign of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T & P and scaffoldign wherever necessary, sorting the dismantled material, disposal of unserviceable materials material and stacking the serviceable material with all lifts complete as per specifications, iii) Dismantling stone masonry.A. Rubble stone msonry in lime mortar MORTHspecification No.202 . P. 136 I. No. 18.26 - do - B. Rubble stone masonry in cement mortar	Cum	245.92	(Rupees two hundred forty five and paise ninety two only)
4	92.42	Earth work excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches, 1.5m and above in width, in ordinary soil, exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with all lead upto 50m after breaking of clods etc., complete as per specifications..(P.No.5, I.No.2.4)	Cum	283.02	(Rupees two hundred and eighty-three paise zero two only)
5	24.01	Providing and laying in position plain cement concrete of mix 1:4:8 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms . Thick, well compacted in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (P-12 I.No.4.3)	Cum	4976.7	(Rupees four thousand, nine hundred and seventy-six paise seven only)
6	1.64	Construction of size stone masonry in cement mortor 1:6 for foundation including curing etc., complete with available stone	cum	2468.74	(Rupees two thousnad four hundred sixty eight and paise seventy four only

7	50.92	Providing and constructing granite/ trap/basalt size stone masonry in foundation in CM 1:6 stone hammed dressed in courses not less than 20cms high, bond stones at two m apart in each course including cost of materials labour, curing etc., complete as per specifications and direction of the Engineer-in-Charge (P-23 I No. 5.6)	Cum	4058.74	(Rupees four thousand, fifty-eight paise seven four only)
8	17.37	Providing and constructing granite/ trap/basalt size stone masonry basement with cement mortar 1:8 edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m apart in each course including cost of materials labour, curing etc., complete as per specifications and direction of the Engineer-in-Charge (P-23 I No. 5.9)	Cum	4814.52	(Rupees four thousand, eight hundred and fourteen paise five two only)
9	11.04	Providing and laying in position plain cement concrete of mix 1:2:4 using 20mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms . Thick, well compacted in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. (P-12 I.No.4.6)	Cum	5389.04	(Rupees five thousand, three hundred and eighty-nine paise zero four only)
10	246.59	Providing and constructing precast concrete solid blocks with compressive stength not less than 3.5 Newton per sqmm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20cms conforming to I.S:2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specification P no.25 I. No.5.27	sqm	999.58	(Rupees nine hundred ninety nine and paise fifty eight only)
11	16.11	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M 20 for RCC works laid in 15 cms thick layers and well compacted vibrating, curing, for raft foundation column footing, main and secondary beams with all lead and lift etc., complete. (exclusive of cost of steel and fabrication charges) P. No.18 I. No. 4.48	Cum	6214.78	(Rupees six thousand two hundred fourteen and paise seventy eight only)
12	12.28	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement at 320 kgs with 20mm and down size graded granite metal, 0.69 cum and fine aggregate at 0.46 cum with super plasticizer at 3 ltrs confirming to IS 9103 - 1999 re affirmed 2008 machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated in ground floor level for roof slabs, staircase,lintels & beams, retaining walls,lintel walls, walls any thickness including attached plasters, columns, pillars , pots studs, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills etc., including cost of all materials, labbour, HOM of machinery, curing complete as per specifications. (P.No.14,I.No.4.13)	Cum	6229.62	(Rupees six thousand, two hundred and twenty-nine paise six two only)

13	11.16	Providing and removing centering, shuttering, strutting, propping etc., and removal form work for foundation, footings, bases of columns for mass concrete including cost of material labhour complete as per specification. (P.No.15,I.No.4.28)	Sqm	239.56	(Rupees two hunndred thirty nine and paise fifty six only)
14	59.52	Providing and removing centering, shuttering, strutting, propping etc., for columns pillars, post and struts, square / rectangular / polytgon in plan including cost of materials, labhour complete as per specification. (P.No.16,I.No.4.32)	Sqm	376.3	(Rupees three hundred seventy six and paise thirty only)
15	57.6	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. P. 112 I. No. 15.3	Sqm	97.52	(Rupees ninety seven and paise fifty two only)
16	1.37	Providing TMT steel reinforcement for RCC work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wiere and anchoring to the adjoining members wherever necessary complete as per design (laps and wastage shall not be measured and paid) cost of materials labour HOM of machinery complete (P-17 I No. 4.46.2)	Ton	68513.1	(Rupees sixty-eight thousand, five hundred and thirteen paise one only)
17	412.16	Providing 18mm thick cement plaster in single coat with cement mortar 1:4 to brick masonry including rounding off corners wherever required smooth rendering,: providing and removing scaffolding, including cost of materials,labhour, curing complete as per specifications.(P.No.112, I.No.15.15)	Sqm	244.86	(Rupees two hundred and forty-four paise eight six only)
18	412.16	Providing and finishing external walls in two coats with primer water proof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specification (P-117], I.No. 15.53.2)	Sqm	83.74	(Rupees eighty-three paise seven four only)
19		Constructing brick masonry inspection chamber 600x600mm and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I.cover with frame(light duty) 600x600mm inner dimensions, total weight cover with frame to be not less than 38kg(weight of cover with frame 15kg) R.C.C. top slab with cement 1:2:4 mix 20mm and downsize granite metal, foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat on walls and bed concrete complete as per standard including cost of materials, labhour charges, curing complete as per specifications. (P.No.73,I.No.11.50.1)			(Rupees eight thousand, four hundred and eighty-eight paise four eight only)
a)	1	455 x 610 mm	Nos	8488.48	
b)	4	.-do- 250x150mm and 450mm depth (clear inside dimension) for single pipeline using table moulded non-modular bricks of class designatioin 50 in cement mortar 1:5, C I cover withframe (light duty) 230x150mm P.74 I. No.I1.50.4	Nos	810.9	(Rupees eight hundred and ten and paise ninety only)

20	4	Providing and fixign white vitrous china clay, flat back wash basin size 550x500mm with a pair of 15mm C.P. brass pillar taps painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specification P. 81 I. No. 12.25	unit	3770.42	(Rupees three thousnad seven hundred seventy and paise forty two only)
21	11.01	Providing and fixing M.S. Grill over existing compound wall as per using 16mm x 16mm M.S. square rod at 150mm c/c spacing and 6mm x 40m M.S. flats at horizontal and 6mmx12mm M.S glat for ornamental design and providing shop edge design at the vertex of every vertical rods including welding, grinding wherever necessary. All thesteel rods, including welding, grinding wherever necessary. Allt he steel surface should be thoroughly cleaned free of rust and painted with anti corrosuve paint (shop paint) etc., complete The work including cost of all materials, labour charges for all items of work, hire charges for welding cutting and grinding equipment, and electricity charges etc., complete as per specifications,. P. No.42 I. No. 7.36	sqm	5789.72	(Rupees five thousand seven hundred eighty nine and paise seventy two only)
22	126.15	Providing and fixing RCC precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including formwork, lift charges curing and concrete finished surfaces on both sides etc., complete as per drawing and directiion of engineer in charge. Data rate 5376.00	sqm	5376	(Rupees five thousand three hundred seventy six only)
23	93	Providing and laying precast drain cover slab of 100mm thickness in CM 1:3 including cost fo all materials, labour, curing, transportation, loaind unloading etc., complete as per the directions of the Engineer in charge (RA as per BBMP) Data Rate aprroved Rs. 1855	Sqm	1855	(Rupees one thousand eight hundred fifty five only)
24	559.3	Lead for Disposal of Debris/earth shall be payable at garage rates by Mechanical means including loading and unloading from 0Kms to 15Kms (P.No.124.I.No.Conveying)	Cum	108.65	(Rupees twenty seven and paise fifty six only)

Note:

1) The work should be executed as per the standard specification of P.W.D. and Corporation as directed by BBMP Engineer.
2) The work should be done as per directions and instructions of the Engineers and Horticulture Superintendent.
3) For Non-removal of debris the corporation will recover 1/2% of the estimated amount in contractors.

Technical Manager-West

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